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NOTICE OF ALLOWANCE AND FEE(S) DUE

26164 7590 02/25/2009

FISH & RICHARDSON P.C. P.O BOX 1022

MINNEAPOLIS, MN 55440-1022

EXAMINER
ANDERSON RESECCA I.

ART UNIT PAPER NUMBER

1626 DATE MAILED: 02/25/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/542,044	07/13/2005	Andrew David Morley	06275-460US1 100928-1P	8677
TITLE OF INVENTION: T	HIODHENE CARROYAMI	DES AS INHIBITORS OF THE ENZYME ICK-2	US	

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/26/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION NO THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

appropriate. All further indicated unless corrects maintenance fee notifica	correspondence includir ed below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of n a) specifying a new corres	pondence address; a	be mailed to the curren nd/or (b) indicating a sep	t correspondence address as varate "FEE ADDRESS" for
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				e: A certificate of m s) Transmittal. This ers. Each additional p its own certificate o	ailing can only be used f certificate cannot be used baper, such as an assignm f mailing or transmission.	or domestic mailings of the for any other accompanying ent or formal drawing, must
FISH & RICH. P.O BOX 1022 MINNEAPOLIS	7590 02/25 ARDSON P.C. S, MN 55440-1022	/2009	Lhe	Certify	icate of Mailing or Tran	
						(Depositor's name)
						(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	1	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/542,044 TITLE OF INVENTION	07/I3/2005 THIOPHENE CARBO	XAMIDES AS INHIBIT	Andrew David Morley ORS OF THE ENZYME I		5275-460USI 100928-1P US	8677
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE I	TOTAL FEE(S) DUI	E DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	05/26/2009
EXAM	IINER	ART UNIT	CLASS-SUBCLASS			
ANDERSON,	REBECCA L	I626	514-445000			
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address for Change of Correspondence Address form PTO/SB/123 Jutached. Thee Address' indication (or "Fee Address" indication form PTO/SB/147; Rev 0.30-2 or more cereal statehed. Use of a Customer Number is required. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON PLEASE NOTE: Unless an assignce is identified below, no assigne.			listed, no name will be printed.			
(A) NAME OF ASSIG	GNEE	categories (will not be pr	(B) RESIDENCE: (CITY	and STATE OR CO	UNTRY)	roup entity 🚨 Government
4a. The following fee(s) are submitted: Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			o. Payment of Fee(s): (Plea A check is enclosed. Payment by credit can The Director is hereby overpayment, to Depo	d. Form PTO-2038 i	s attached.	e shown above) deficiency, or credit any an extra copy of this form).
	s SMALL ENTITY state	is. See 37 CFR I.27.	b. Applicant is no long			
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than the Office.	he applicant; a regist	ered attorney or agent; or t	the assignee or other party in
Authorized Signature				Date		
Typed or printed name				Registration No.		
This collection of inform an application. Confiden submitting the complete this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this but 'irginia 22313-1450. DC k13-1450.	FR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the O NOT SEND FEES OR (on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 mi idual case. Any com r, U.S. Patent and Ti D THIS ADDRESS:	public which is to file (ar nutes to complete, includi ments on the amount of t ademark Office, U.S. Dep SEND TO: Commissioner	nd by the USPTO to process) ing gathering, preparing, and ime you require to complete partment of Commerce, P.O. for Patents, P.O. Box 1450,

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P.O BOX 1022			ART UNIT	PAPER NUMBER
MINNEAPOLIS, MN 55440-1022			1626	

DATE MAILED: 02/25/2009

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 88 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 88 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/542.044 MORLEY ET AL. Notice of Allowability Examiner Art Unit REBECCA L. ANDERSON 1626 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address-All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to the RCE filed 4 February 2009. 2. The allowed claim(s) is/are 1-3,5-10 and 13-15. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) 🛛 All b) Some* c) None of the: 1. T Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. X Copies of the certified copies of the priority documents have been received in this national stage application from the

International Bureau (PCT Rule 17.2(a)).					
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Falling to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.					
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.					
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.					
(a) ☐ including changes required by the Notice of Draftsperson's Pa	tent Drawing Review (PTO-948) attached				
1) hereto or 2) to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Amen Paper No./Mail Date	(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of				
Identifying indicia such as the application number (see 37 CFR 1.84(c)) s each sheet. Replacement sheet(s) should be labeled as such in the head	hould be written on the drawings in the front (not the back) of er according to 37 CFR 1.121(d).				
DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s)					
1. Notice of References Cited (PTO-892)	5. Notice of Informal Patent Application				
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	Interview Summary (PTO-413),				
Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 2/4/09	Paper No./Mail Date 7.				
4. Examiner's Comment Regarding Requirement for Deposit	8. X Examiner's Statement of Reasons for Allowance				
of Biological Material	9. Other				
/Rebecca L Anderson/					
Primary Examiner, Art Unit 1626					
U.S. Patent and Trademark Office					
PTOL-37 (Rev. 08-06) Notice of a	Allowability Part of Paper No./Mail Date 20090212				

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DETAILED ACTION

Claims 1-3, 5-10 and 13-15 are currently pending in the instant application, appear allowable over the prior art of record and have been renumbered as claims 1-12.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under Ex Parte Quayle, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 4 February 2009 has been entered.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 4 February 2009 was submitted in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance. This invention relates to products of the formula (I), processes of preparation and methods of treating inflammatory disorders selected from asthma, rheumatoid arthritis, multiple sclerosis and chronic obstructive pulmonary disease. The novel and nonobvious aspect of this invention involves the products of the formula (I). The closest prior art of record fails to teach or suggest Applicants' instantly claimed formula (I). Additionally, as can be seen by WO 200246171, NF- kB has a central role in inflammatory disease(page 1) and cell and animal experiments indicate that IKK-2 is a central

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regulator of the pro-inflammatory role of NF- κ B and is activated in response to multiple inflammatory stimula and signaling pathways, page 3.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance"

Conclusion

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Rebecca L. Anderson whose telephone number is (571) 272-0696. Mrs. Anderson can normally be reached Monday through Friday from 6:00am until 2:30pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Mr. Joseph K. McKane, can be reached at (571) 272-0699.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Rebecca Anderson/ Primary Examiner, AU 1626

12 February 2009

Rebecca Anderson Primary Examiner Art Unit 1626, Group 1620 Technology Center 1600